

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23720

7590

11/02/2006

WILLIAMS, MORGAN & AMERSON
 10333 RICHMOND, SUITE 1100
 HOUSTON, TX 77042

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Mary Paul

(Depositor's name)

(Signature)

February 1, 2007

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/590,795	06/08/2000	Vishnu K. Agarwal	6047-53173	9849

TITLE OF INVENTION: METHODS FOR FORMING AND INTEGRATED CIRCUIT STRUCTURES CONTAINING RUTHENIUM AND TUNGSTEN CONTAINING LAYERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1330	\$1400	02/02/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
VU, DAVID	2818	438-396000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Williams, Morgan &

2 Amerson, P.C.

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Micron Technologies, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Boise, Idaho

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☒ Issue Fee (remaining amount due)

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reuply any previously paid issue fee shown above)

☒ A check is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-0786 (enclose an extra copy of this form).

If check is missing or insufficient.

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /J. Mike Amerson

Date February 1, 2007

Typed or printed name J. Mike Amerson

Registration No. 35,426

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

WILLIAMS, MORGAN & AMERSON, P.C.

11949

DATE	DESCRIPTION	INVOICE #	AMOUNT	CHECK	
				DEDUCTION	NET AMOUNT
2-1-07	2008.010000		70.00		

CHECK DATE	CONTROL NUMBER	TOTALS ►
2-1-07		Seventy Dollars and no/100

11949

WILLIAMS, MORGAN & AMERSON, P.C.

OPERATING ACCOUNT
10333 RICHMOND AVENUE, SUITE 1100
HOUSTON, TX 77042
(713) 934-7000

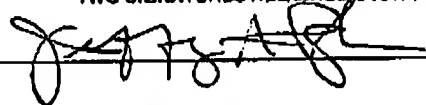
JPMORGAN CHASE BANK, N.A.
COLUMBUS, OHIO 43271
25-80-440

DATE	CHECK	AMOUNT
2-1-07		70.00

PAY Seventy Dollars and no/100

TO THE ORDER OF: United States Patent & Trademark Office

TWO SIGNATURES REQUIRED OVER \$5,000.00

Details on back
Security Features Included.

Please indicate receipt of the below-identified paper:

<input type="checkbox"/> New Application For:	Priority Date:
<input type="checkbox"/> Foreign priority already claimed	<input type="checkbox"/> Nonpublication Request
<input type="checkbox"/> Continuation <input type="checkbox"/> CIP	<input type="checkbox"/> Divisional
<input type="checkbox"/> Specification: Pages	<input type="checkbox"/> Drawings: Sheets
<input type="checkbox"/> Response to Office Action Dated:	<input type="checkbox"/> Final Rejection
<input checked="" type="checkbox"/> Other: ISSUE FEE TRANSMITTAL; \$70 CHECK	
<input type="checkbox"/> Assignment Enclosed	<input checked="" type="checkbox"/> Cert. of Timely Mailing
<input type="checkbox"/> Exp. Mail:	

IDENTIFICATION OF APPLICATION

Serial No.: 09/590,795	
Title: METHODS FOR FORMING AND INTEGRATED CIRCUIT STRUCTURES CONTAINING RUTHENIUM AND TUNGSTEN CONTAINING LAYERS	
Applicant: VISHNU K. AGARWAL	Attorney: JMA
Client: MICRON TECHNOLOGIES, INC.	File No.: 2008.010100
Mailed: FEB. 1, 2007	Filed: FEB. 2, 2007

MJ:mgs 11/04/03 6047-53173 231856

PATENT
Attorney Reference Number 6047-53173**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****In re application of:** Agarwal et al.**Application No.** 09/590,795**Filed:** June 8, 2000**Confirmation No.** 9849**For:** METHODS FOR FORMING AND
INTEGRATED CIRCUIT STRUCTURES
CONTAINING RUTHENIUM AND
TUNGSTEN CONTAINING LAYERS**Examiner:** Cuong Q. Nguyen**Art Unit:** 2811**Attorney Reference No.** 6047-53173MAIL STOP ISSUE FEE
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP ISSUE FEE, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney
for Applicant(s)Date Mailed November 4, 2003**TRANSMITTAL LETTER****Enclosed for filing in the above-referenced application are the following:**

- ☒ In connection with issuance of a patent:
 - ☒ Form PTOL-85b
- ☒ Advance order of 4 copies (Fees \$12.00)
- ☒ Issue Fee (\$1,330 lg. entity/utility)
- ☒ A check in the amount of \$1,342.00 to cover the above-listed fees.
- ☒ The Director is hereby authorized to charge any additional fees that may be required in connection with issuance of a patent, or credit over-payment, to Account No. 02-4550. A copy of this sheet is enclosed.

MJ:mgs 11/04/03 6047-53173 231856

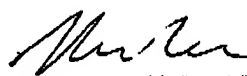
PATENT
Attorney Reference Number 6047-53173

☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By



Michael D. Jones
Registration No. 41,879

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

cc: Docketing

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
Alexandria, Virginia 22313-1450
Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance order and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections to last Block 1)

7590

08/12/2003

Klarquist Sparkman Campbell
 Leigh & Winston LLP
 One World Trade Center Suite 1600
 121 S W Salmon Street
 Portland, OR 97204-2988

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Michael D. Jones

(Depositor's name)

Michael D. Jones

(Signature)

November 4, 2003

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/590,795	06/08/2000	Vishnu K. Agarwal	6047-53173	9849

TITLE OF INVENTION: METHODS FOR FORMING AND INTEGRATED CIRCUIT STRUCTURES CONTAINING RUTHENIUM AND TUNGSTEN CONTAINING LAYERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$388 \$1,330	\$0	-\$1908 \$1,330	11/12/2003

EXAMINER	ART UNIT	CLASS-SUBCLASS
VU, DAVID	2818	438-238000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Klarquist Sparkman, LLP

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Micron Technology, Inc.

Boise, ID

Please check the appropriate assignee category or categories (will not be printed on the patent)

☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☐ Publication Fee☒ Advance Order - # of Copies 4

4b. Payment of Fee(s):

☒ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 02-4550 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

November 4, 2003

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.911. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)

PTOL-85 (REV. 03-03) Approved for use through 04/30/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

WILLIAMS, MORGAN & AMERSON, P.C.

10333 Richmond, Suite 1100, Houston, TX 77042
(713) 934-7000 Fax (713) 934-7011

Fax

To:	Arthur McCloud	From:	Mary Paul
Fax:	571-273-7268	Phone:	713-934-4056
No. of Pages:*	6	Date:	May 23, 2007
Re:	S/N 09/590,795	File:	2008.010100

☐ Urgent ☐ For Review ☐ For Your File ☐ Please Reply ☐ Please Handle

* w/o coversheet

ORIGINAL: ____ Will follow X Will not follow

• **Comments:**

I received a message that you needed a copy of the Issue Fee Transmittal to be faxed to you. However, in this particular case, there were two Issue Fee Transmittals. One was mailed on November 4, 2003, and then the case was withdrawn from issue. The case was then again allowed and another Issue Fee Transmittal was mailed on February 1, 2007. I telephoned you to see which one you wanted; however, I have not yet received a reply. Therefore, I am attaching copies of both of the transmittals. Please call me if you need anything further.

CONFIDENTIALITY NOTE

The documents accompanying this facsimile transmission contain information from the law firm of Williams, Morgan & Amerson which may be confidential and/or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.